Tianyao Chen

Mobile (Android & iOS) Engineer · Pythonista · ML Enthusiast

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🎓 Education

Jacobs University Bremen, Bremen, Germany   2018/08 – 2021/06

B.S. Computer Science

- Featured courses: ML, Algorithms & Data Structures, C & C++, OS, DB, Software Engineering.

👥 Experience

TeamViewer, Göppingen, Germany   2020/10 – 2021/05

Software Engineer (Part-Time) | Software Engineer Intern (Until 2021/01)

- Delivered two significant features to the TeamViewer for Remote Control and QuickSupport Android apps, which have more than 60 million total installations on Google Play.
- Built TeamViewer and Passwordstate REST API pipelines for automated Android UI tests.
- Leveraged knowledge: Android SDK, Kotlin, Java, MVVM, Coroutines, LiveData, Volley, UI Automator.

Twenty Billion Neurons, Berlin, Germany   2020/06 – 2020/09

Software Engineer Intern

- Delivered six significant features to the AI fitness app Fitness Ally by working primarily in the R&D Python team and voluntarily in the iOS team with 10k+ SLOC.
- Built a Python CLI changelog generator inspired by GitLab, which resolved the changelog conflict issue.
- Leveraged knowledge: Python, Swift, Objective-C, iOS SDK, Bash, Git, Linux, Firebase.

Jacobs University Bremen, Bremen, Germany   2019/09 – 2020/05

Teaching Assistant

- Graded homework and gave tutorials for: Algorithms & Data Structures, Intro to CS, and Data Management.
- Leveraged knowledge: Java, C++, Python, C, Haskell, MySQL, GCP.

TD Tech, Beijing, China   2019/06 – 2019/08

Software Engineer Intern

- Delivered three significant features to two enterprise Android apps on top of the AOSP with 8k+ SLOC.
- Leveraged knowledge: Android SDK, Java, Python, Batch, Git, SQLite, Linux.

⚙ Projects

- **Personal Website:** `https://tillchen.com` - for additional information, projects, and tech blog.
- **JStore: Marketplace for Jacobs University Bremen - Native Android & iOS Apps**
  - 7k+ SLOC. 1k+ users. Available on Google Play & App Store. GitHub repos: Android & iOS.
  - Utilized: Java, Swift, Android SDK, iOS SDK, Firebase (Auth, Cloud Firestore, Storage).

ℹ Skills

- **Python, Kotlin, Java, Swift, C++, Dart, C, SQL, Bash,** Go, JavaScript, HTML/CSS, Haskell.
- **Android SDK, iOS SDK, Flutter, TensorFlow, Git, Firebase,** Django, Spring, GCP, Docker.